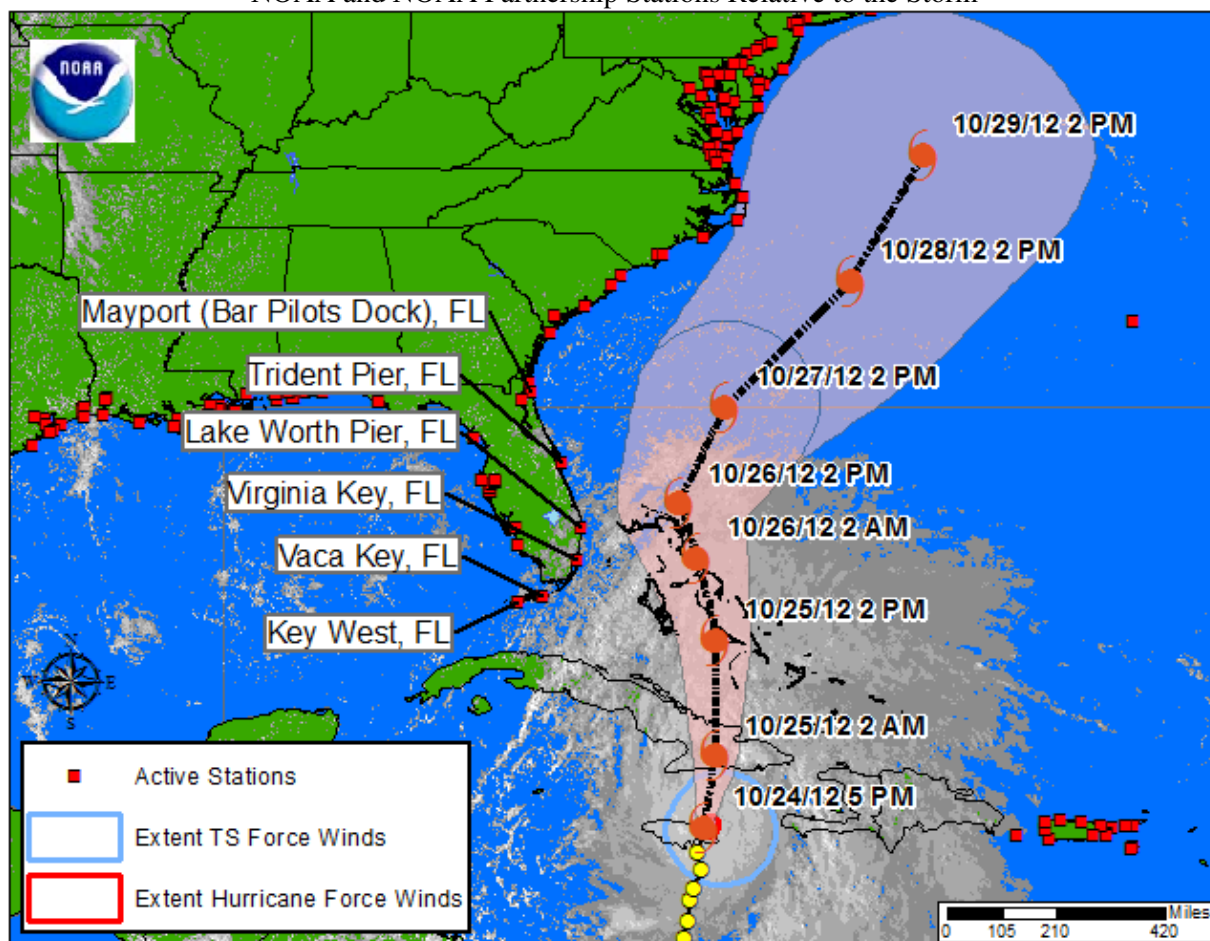




Hurricane SANDY QuickLook
Posted: 18:00 EDT 10/24/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/24/2012 18:00 EDT, water levels from the Florida Keys to Trident Pier, FL are at or near predicted tide levels and range between 0.2 and 0.6 feet above predictions. Winds range from 10 to 25 knots, with slightly higher gusts.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.8 ft (0.55 m) at 10/24/2012 19:21 EDT and 1.9 ft (0.59 m) at 10/25/2012 07:42 EDT.

Vaca Key, FL: Next predicted high tides are 1.0 ft (0.30 m) at 10/24/2012 23:59 EDT and 1.0 ft (0.30 m) at 10/25/2012 12:08 EDT.

Hurricane SANDY QuickLook, POSTED 18:00 EDT 10/24/2012

Virginia Key, FL: Next predicted high tides are 2.6 ft (0.78 m) at 10/25/2012 06:17 EDT and 2.6 ft (0.79 m) at 10/25/2012 18:35 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.3 ft (1.01 m) at 10/25/2012 05:32 EDT and 3.3 ft (1.00 m) at 10/25/2012 17:50 EDT.

Trident Pier, FL: Next predicted high tides are 4.1 ft (1.24 m) at 10/25/2012 05:11 EDT and 4.0 ft (1.24 m) at 10/25/2012 17:29 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 5.4 ft (1.66 m) at 10/25/2012 06:03 EDT and 5.4 ft (1.66 m) at 10/25/2012 18:27 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 10
500 PM EDT WED OCT 24 2012

...SANDY EMERGING OFF THE NORTHEAST COAST OF JAMAICA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR THE EAST COAST OF FLORIDA FROM OCEAN REEF TO SEBASTIAN INLET.

THE TROPICAL STORM WATCH HAS BEEN EXTENDED ALONG THE EAST COAST OF FLORIDA TO FLAGLER BEACH.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* FLORIDA EAST COAST FROM OCEAN REEF TO SEBASTIAN INLET

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* FLORIDA EAST COAST FROM NORTH OF SEBASTIAN INLET TO FLAGLER BEACH

* FLORIDA UPPER KEYS FROM OCEAN REEF TO CRAIG KEY

* FLORIDA BAY

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN 24 TO 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE

WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM EDT THE CENTER OF HURRICANE SANDY WAS LOCATED ABOUT 25 MI NNE OF KINGSTON JAMAICA OR ABOUT 125 MI SSW OF GUANTANAMO CUBA. SANDY IS MOVING TOWARD THE NORTH NEAR 14 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH THURSDAY NIGHT WITH AN INCREASE IN FORWARD SPEED EXPECTED OVERNIGHT AND THURSDAY. A TURN TOWARD THE NORTH-NORTHWEST AND A DECREASE IN FORWARD SPEED ARE EXPECTED ON FRIDAY. ON THE FORECAST TRACK...THE CENTER OF SANDY WILL MOVE OVER PORTIONS OF EASTERN CUBA OVERNIGHT...MOVE NEAR OR OVER THE CENTRAL BAHAMAS THURSDAY AND THURSDAY NIGHT...AND MOVE NEAR OR OVER THE NORTHWESTERN BAHAMAS ON FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH WITH HIGHER GUSTS. SANDY IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. SOME WEAKENING IS EXPECTED AS SANDY MOVES OVER EASTERN CUBA...WITH SOME RESTRENGTHENING EXPECTED AFTER SANDY MOVES INTO THE BAHAMAS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 30 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES. KINGSTON JAMAICA RECENTLY REPORTED A SUSTAINED WIND OF 44 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON SURFACE OBSERVATIONS FROM JAMAICA IS 970 MB.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS ARE EXPECTED TO CONTINUE IN PORTIONS OF JAMAICA FOR THE NEXT FEW HOURS AND ARE EXPECTED TO REACH EASTERN CUBA THIS EVENING. HURRICANE CONDITIONS ARE EXPECTED TO SPREAD ACROSS THE CENTRAL AND NORTHWESTERN BAHAMAS LATE THURSDAY AND FRIDAY. TROPICAL STORM CONDITIONS ARE EXPECTED IN THE WARNING AREA ALONG THE EAST COAST OF FLORIDA THURSDAY NIGHT AND FRIDAY.

RAINFALL...SANDY IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 1 TO 3 INCHES ARE POSSIBLE ACROSS THE FLORIDA KEYS INTO SOUTHEAST AND EAST-CENTRAL FLORIDA.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

FLORIDA COAST WITHIN WARNING AREA...1 TO 2 FT

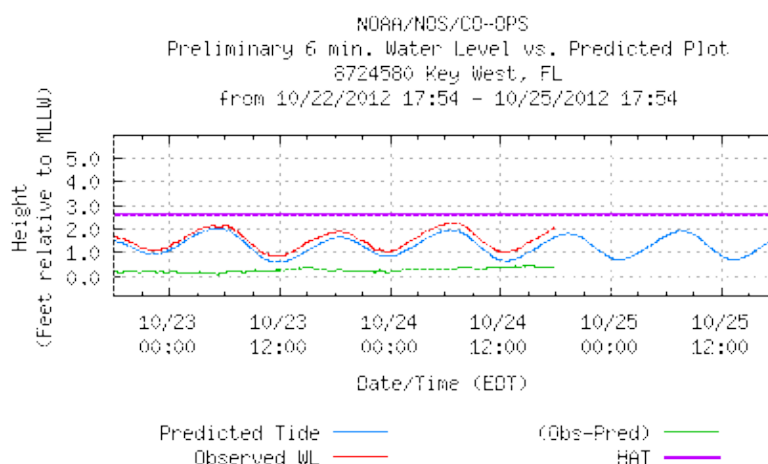
SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#),

[Key West, FL - Return to List](#)

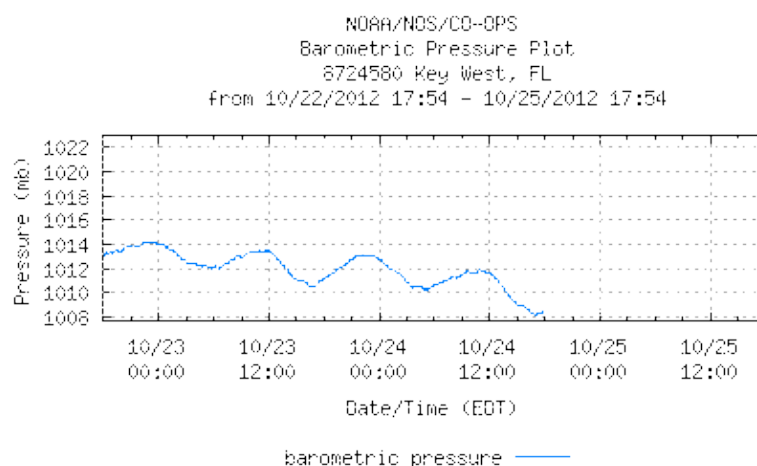


Last Observed Sample: 10/24/2012 17:48 (EDT)

Relative to MLLW: **Observed: 2.05 ft.** **Predicted: 1.64 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

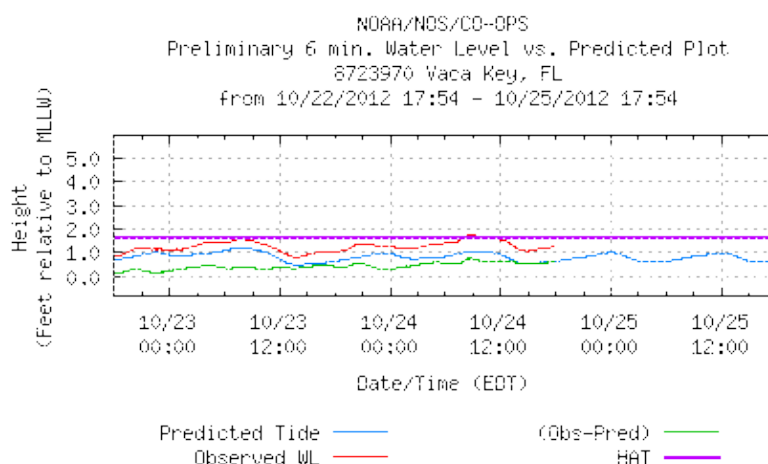
[Key West, FL - Return to List](#)



Last Observed Sample: 10/24/2012 17:48 (EDT)

Barometric Pressure: 1008.4 mb

Vaca Key, FL - Return to List

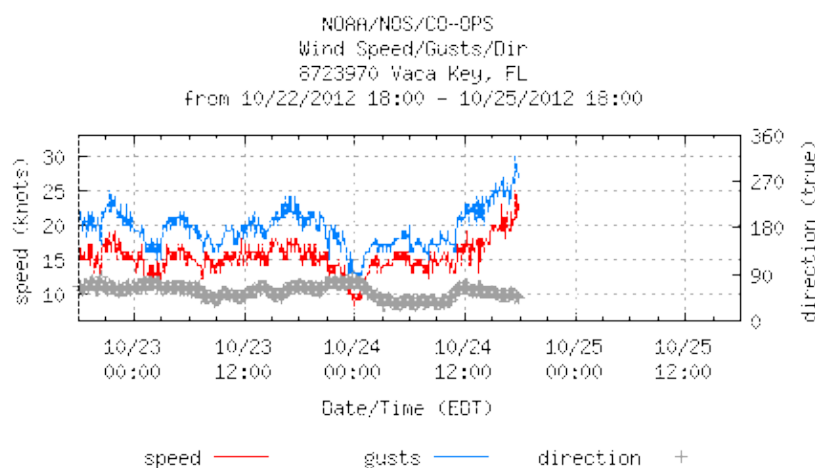


Last Observed Sample: 10/24/2012 17:48 (EDT)

Relative to MLLW: **Observed: 1.28 ft.** **Predicted: 0.64 ft.** **Residual: 0.64 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

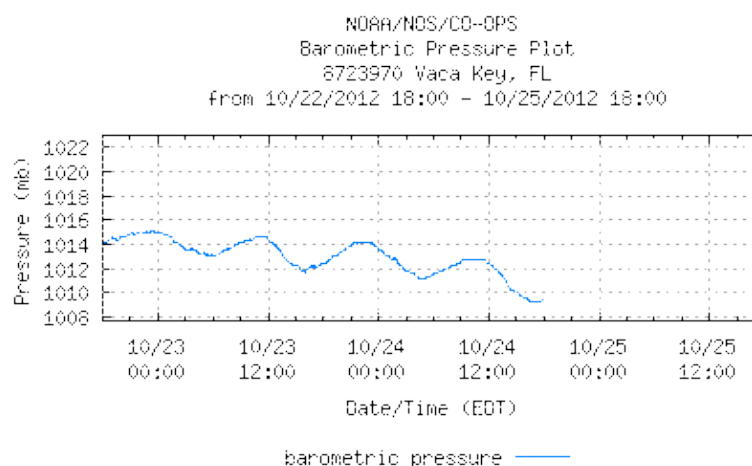
Vaca Key, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Wind Speed: 23 knots **Gusts: 27 knots** **Direction: 45° T**

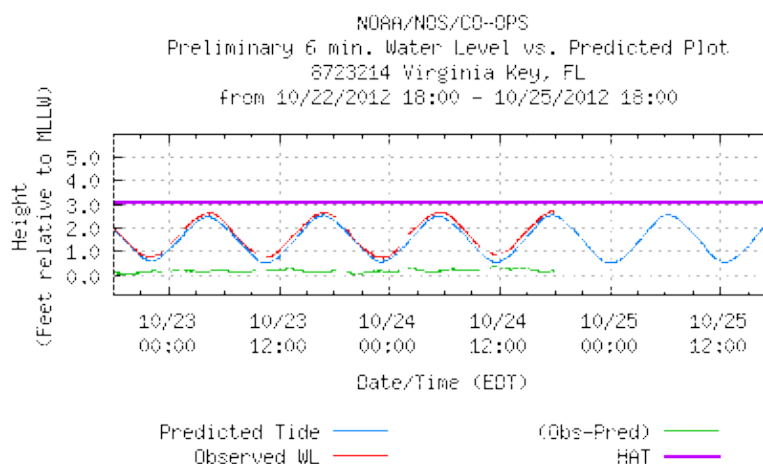
Vaca Key, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Barometric Pressure: 1009.4 mb

Virginia Key, FL - Return to List

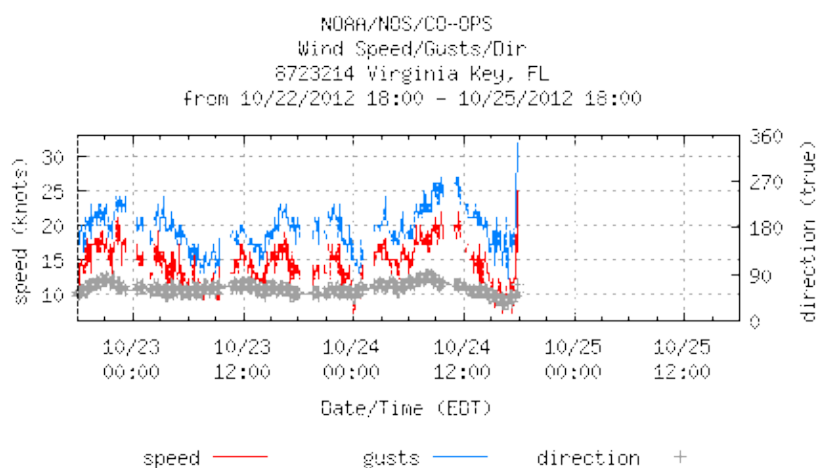


Last Observed Sample: 10/24/2012 17:54 (EDT)

Relative to MLLW: **Observed: 2.68 ft.** **Predicted: 2.53 ft.** **Residual: 0.15 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

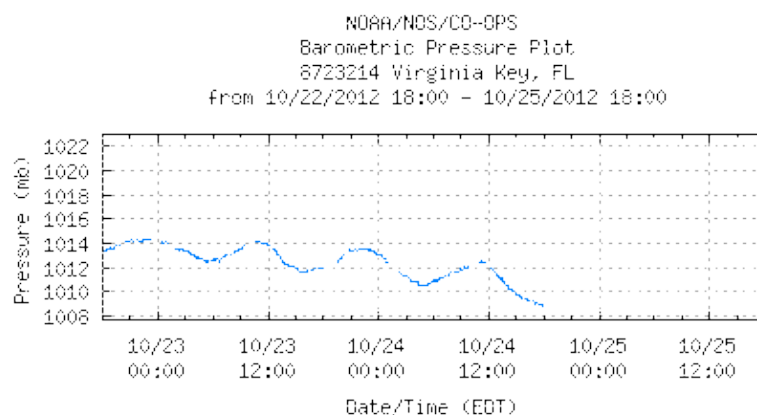
Virginia Key, FL - Return to List



Last Observed Sample: 10/24/2012 17:54 (EDT)

Wind Speed: 16 knots Gusts: 28 knots Direction: 55° T

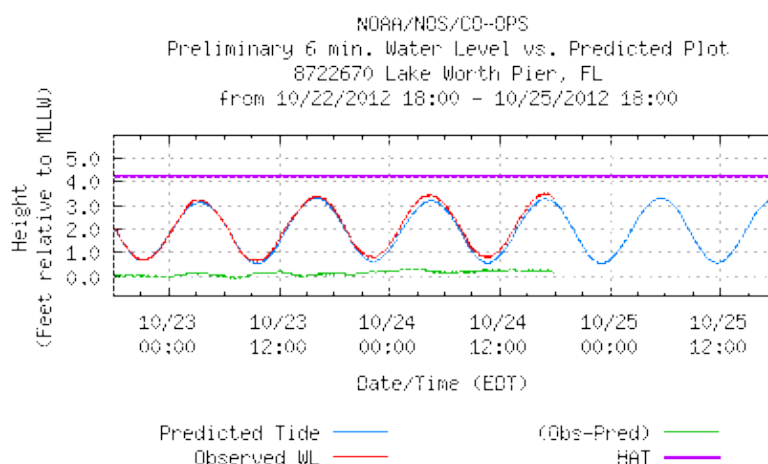
Virginia Key, FL - Return to List



Last Observed Sample: 10/24/2012 17:54 (EDT)

Barometric Pressure: 1009.0 mb

Lake Worth Pier, FL - Return to List

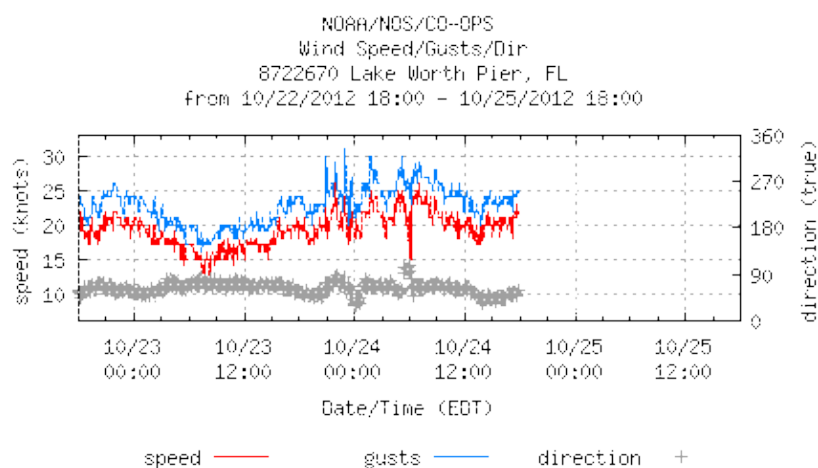


Last Observed Sample: 10/24/2012 17:48 (EDT)

Relative to MLLW: **Observed: 3.34 ft.** **Predicted: 3.17 ft.** **Residual: 0.17 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

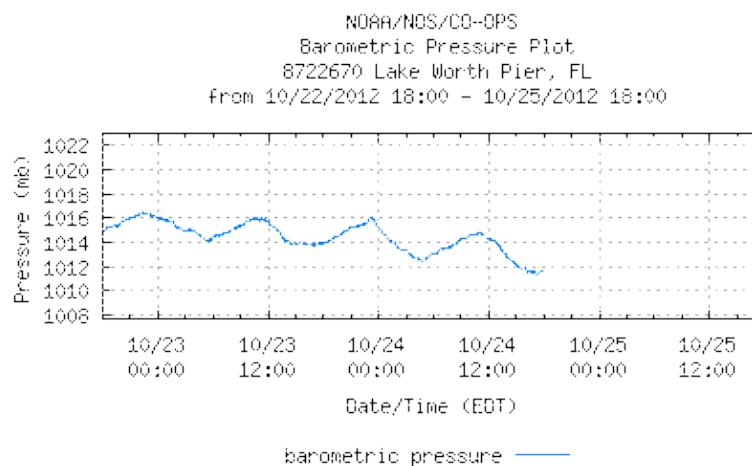
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Wind Speed: 22 knots **Gusts: 25 knots** **Direction: 59° T**

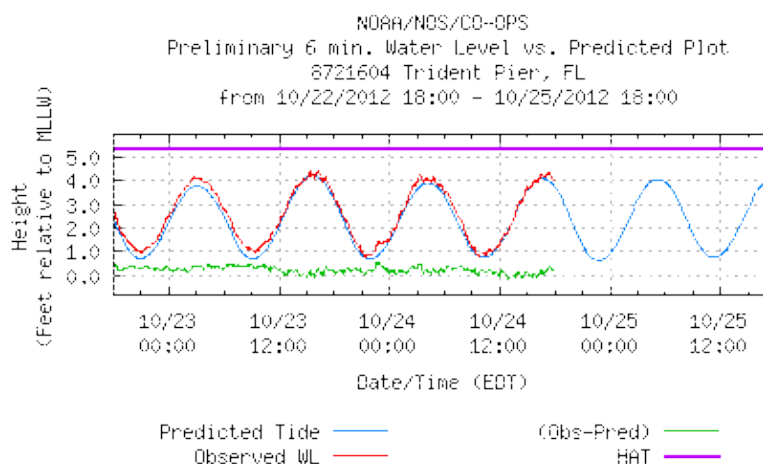
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Barometric Pressure: 1011.7 mb

Trident Pier, FL - Return to List

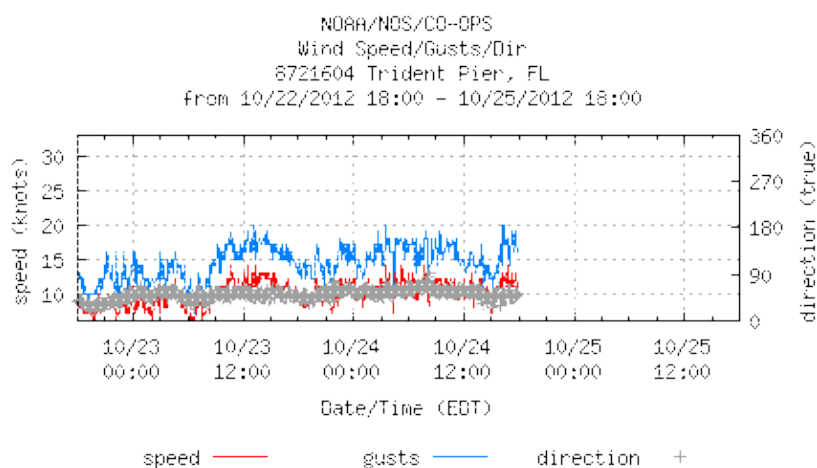


Last Observed Sample: 10/24/2012 17:48 (EDT)

Relative to MLLW: **Observed: 4.04 ft.** **Predicted: 3.83 ft.** **Residual: 0.21 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

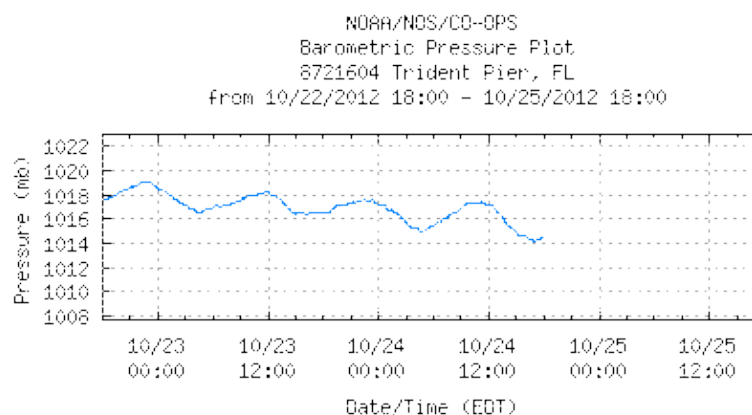
Trident Pier, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Wind Speed: 11 knots Gusts: 16 knots Direction: 53° T

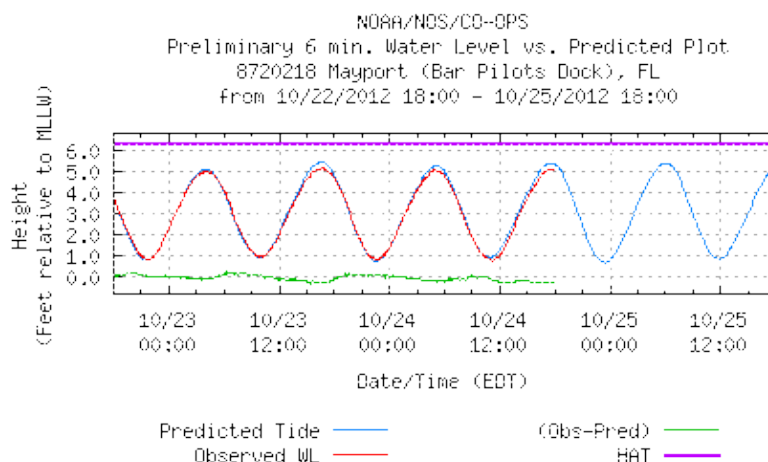
Trident Pier, FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Barometric Pressure: 1014.5 mb

Mayport (Bar Pilots Dock), FL - Return to List

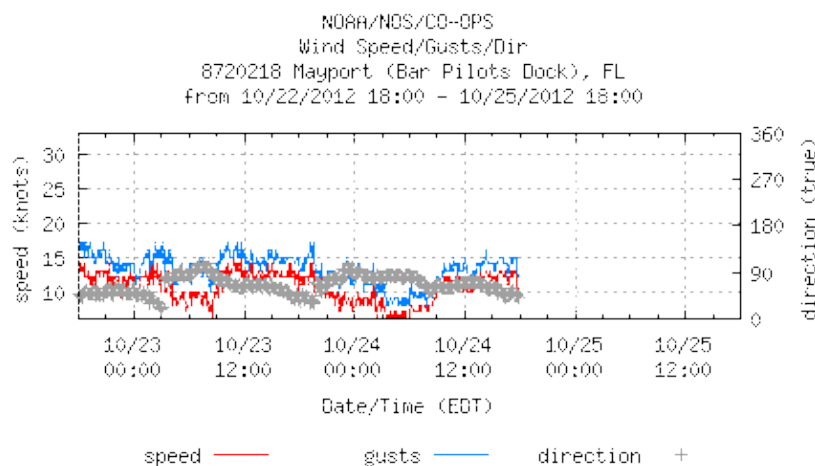


Last Observed Sample: 10/24/2012 17:48 (EDT)

Relative to MLLW: **Observed: 5.11 ft.** **Predicted: 5.41 ft.** **Residual: -0.30 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

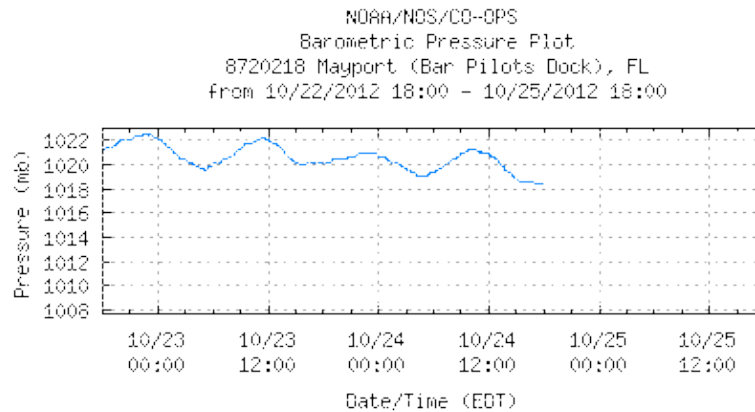
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 10/24/2012 17:48 (EDT)

Wind Speed: 10 knots **Gusts: 12 knots** **Direction: 41° T**

[Mayport \(Bar Pilots Dock\), FL - Return to List](#)



barometric pressure —

Last Observed Sample: 10/24/2012 17:48 (EDT)

Barometric Pressure: 1018.4 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce